

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-283865

(43)Date of publication of application : 12.10.2001

(51)Int.Cl.

H01M 4/86
C25B 11/08
H01M 4/92
H01M 4/96
H01M 8/00
H01M 8/02
H01M 8/10

(21)Application number : 2000-097143

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(22)Date of filing : 31.03.2000

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(54) ELECTRODE CATALYST LAYER, FILM-ELECTRODE COMPLEX AND THEIR
MANUFACTURING METHOD AND BATTERY USING SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a thin electrode catalyst layer with high catalyst utilization efficiency and high output performance by restraining deterioration of performance due to coating defect in forming an electrode catalyst layer and a cost hike due to complicated processes.

SOLUTION: The electrode catalyst layer has a catalyst-polymer complex composed of at least a catalyst layer and a polymer integrally constructed with a holding layer composed of a porous conductive sheet and/or non- conductive cloth, with thickness of 50 μ m or less.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of
rejection]

[Kind of final disposal of application other than
the examiner's decision of rejection or
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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